**PATENT** 





TES PATENT AND TRADEMARK OFFICE





Tetsufumi TSUZAKI, et al.

Docket No.: 50212-132

Serial No.: 09/667,576

In re Application of

Filed: September 22, 2000

Group Art Unit: 3663

Examiner: S. Cunningham

OPTICAL AMPLIFIER AND OPTICAL AMPLIFICATION METHOD

THE COMMISSIONER FOR PATENTS AND TRADEMARKS Washington, DC 20231

IN THE UNATED

Dear Sir:

For:

<u>Transmitted</u> herewith is an Amendment in the above identified application.

No additional fee is required.

Applicant is entitled to small entity status under 37 CFR 1.27

Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	31	27	4	\$18.00 =	\$72.00
Independent Claims	4	3	1	\$84.00 =	\$84.00
		Multiple claims newly presented			\$0.00
Fee for extension of time				\$0.00	
				\$0.00	
		Total of Above Calculations			\$156.00

 $\boxtimes$ Please charge my Deposit Account No. 500417 in the amount of \$156.00. An additional copy of this transmittal sheet is submitted herewith.

X The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

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Date: July 23, 2002

Qocket No.: 50212-132

**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

JUL 2 3 2002

etsufumi TSUZAKI, et al.

Serial No.: 09/667,576 Group Art Unit: 3663

Filed: September 22, 2000 Examiner: S. Cunningham

OPTICAL AMPLIFIER AND OPTICAL AMPLIFICATION METHOD For:

## **AMENDMENT**

Commissioner for Patents Washington, DC 20231

Sir:

The following amendment and remarks are submitted in response to the Office Action dated April 23, 2002.

## IN THE CLAIMS

Please rewrite claims 1 and 14, as amended herein, as follows:

1. An optical amplifier for amplifying, at once, multiplexed signal light belonging to a predetermined wavelength band, in which a plurality of signal light components having different wavelengths are multiplexed, comprising:

one or a plurality of optical amplification sections each of which has an optical waveguide doped with a fluorescent material and amplifies the multiplexed signal light by optical pumping of the fuorescent material;

77/25/2002 SSESHE1 00000091 500417 09667576

중공